



This Service Information bulletin supersedes SI M00 02 10 **dated August 2010.**

NEW designates changes to this revision

SUBJECT

2011 Model Year New Vehicle Preparation and Maintenance Requirements

MODEL

R55 2011 John Cooper Works Clubman, Clubman, Clubman S

R56 2011 John Cooper Works (JCW) Hardtop, Cooper, Cooper S

R57 2011 John Cooper Works Convertible, Cooper, Cooper S

NEW R60 2011 Cooper Countryman, Cooper S Countryman; Cooper S Countryman ALL4

SITUATION

Model	Production Start*	Comments
MINI Cooper, Cooper S; JCW Hardtop	8/10	Life cycle impulse (LCI) changes. New N16 (Cooper) and N18 (Cooper S) engines, meeting ULEV-II emissions classifications.
MINI Cooper, Cooper S; JCW Clubman	8/10	
MINI Cooper, Cooper S; JCW Convertible	8/10	
NEW Cooper Countryman, NEW Cooper S Countryman, NEW Cooper S Countryman ALL4	11/10	Completely new model with 4 doors. Cooper S version available with MINI ALL4 permanent all-wheel drive

* Availability approx. 1 month later

BRIEF SUMMARY OF NEW LCI FEATURES OR CHANGES ON ALL 2011 MINIS

- Front bumper engine air intake (Cooper S only)
- Rear bumper
- Larger front fog lamps
- Tail lamps with partial LEDs (light-emitting diodes) and brake force display

- Adaptive headlamps on optional Xenon configuration
- Side marker lamps on MINI Cooper
- New wheel designs
- Cargo cover (Clubman)
- Club Door safety belt guide (Clubman)
- Steering wheel styling
- Interior center console styling
- Simplified controls on standard-equipment “Boost CD” radio
- Optional “MINI Connected” center console communication system
- Redesigned engine (new designation N16) for MINI Cooper with output raised from 118 to 121hp (@6000 rpm); redesigned engine (new designation N18) for MINI Cooper S with output raised from 172 to 181hp (@ 5500 rpm). Overboost provides a brief addition of power, raising maximum torque to 260Nm (192 lb.ft). Highway fuel economy improved from 34mpg to 36mpg (R56 std. equipment manual transmission).

MINI COUNTRYMAN

MINI USA introduces the Countryman, engineering designation R60. It is the fourth and largest body version of the MINI brand. By shortening the front doors approx. 10 inches compared to the MINI Clubman, as well as lengthening the wheelbase 2 inches, full-size rear doors were added on both sides of the vehicle for optimal rear seat access. The Countryman is built at Magna-Steyr Fahrzeugtechnik (MSF) in Graz, Austria under contract for MINI.

The Countryman is available with permanent all-wheel drive known as ALL4, though this drivetrain configuration is only offered on the Cooper S version. The floor has been slightly raised on all Countryman versions, resulting in a higher seating position. Although the raised floor can accommodate the center driveshaft on the ALL4, all versions benefit by optimized outward visibility and comfortable entry/egress.

Each of the two rear seats can be individually moved 5” fore and aft. Each backrest can be folded down for improved cargo space.

The interior’s Center Rail system extends from the front center console to the rear seats in the standard configuration (a two-part Center Rail is optional). It provides a mounting location for the various holders included with the vehicle, which can be moved along the rail or removed entirely per the customer’s discretion.

The Countryman utilizes the same N16 (Cooper) and N18 (Cooper S) engines as other 2011 MINIs.

Selected dimensions comparing the MINI Cooper S Countryman to the 2011 MINI Cooper S Hardtop and Clubman S:

Cooper S Countryman FWD	Clubman S	Cooper S Hardtop
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Overall length, in.	161.8	155.9	146.8
Overall width (mirror to mirror), in.	78.5	75.3	75.3
Overall height, in.	61.5	56.4	55.4
Wheelbase, in.	102.2	100.3	97.1
Track, front in.	60.0	57.2	57.2
Track, rear in.	61.1	57.5	57.5
Legroom, front in.	52.8	41.7	41.7
Legroom, rear in.	33.8	32.3	27.9
Headroom, front in.	39.9	39.0	38.8
Headroom, rear in.	37.5	37.7	37.6
Trunk capacity, cu.ft (rear seat up/down) per SAE J1100	12.4*/41.3 * rear seats fully forward	9.2/32.8	5.7/24.0
Drag coefficient Cd	.36	0.34	0.36
Fuel tank total capacity, gal.	12.4	13.2	13.2
EPA fuel economy, city/hwy/combined mpg (man. trans.)	26/32/29	27/36/30	27/36/30
Overall vehicle weight, man. transmission lb.	3053	2833	2668
Overall vehicle weight, auto. transmission lb.	3097	2877	2712
Approx. front door length in.	38.5	48.75	48.75
Approx. rear door length in.	Left and right: 37.75	Club Door on right side only: 16.75	Not applicable
Luggage area access	1-piece lift-up tailgate	2-piece swing-out barn doors	1-piece lift-up tailgate
EPA vehicle size category	Compact	Subcompact	Minicompact

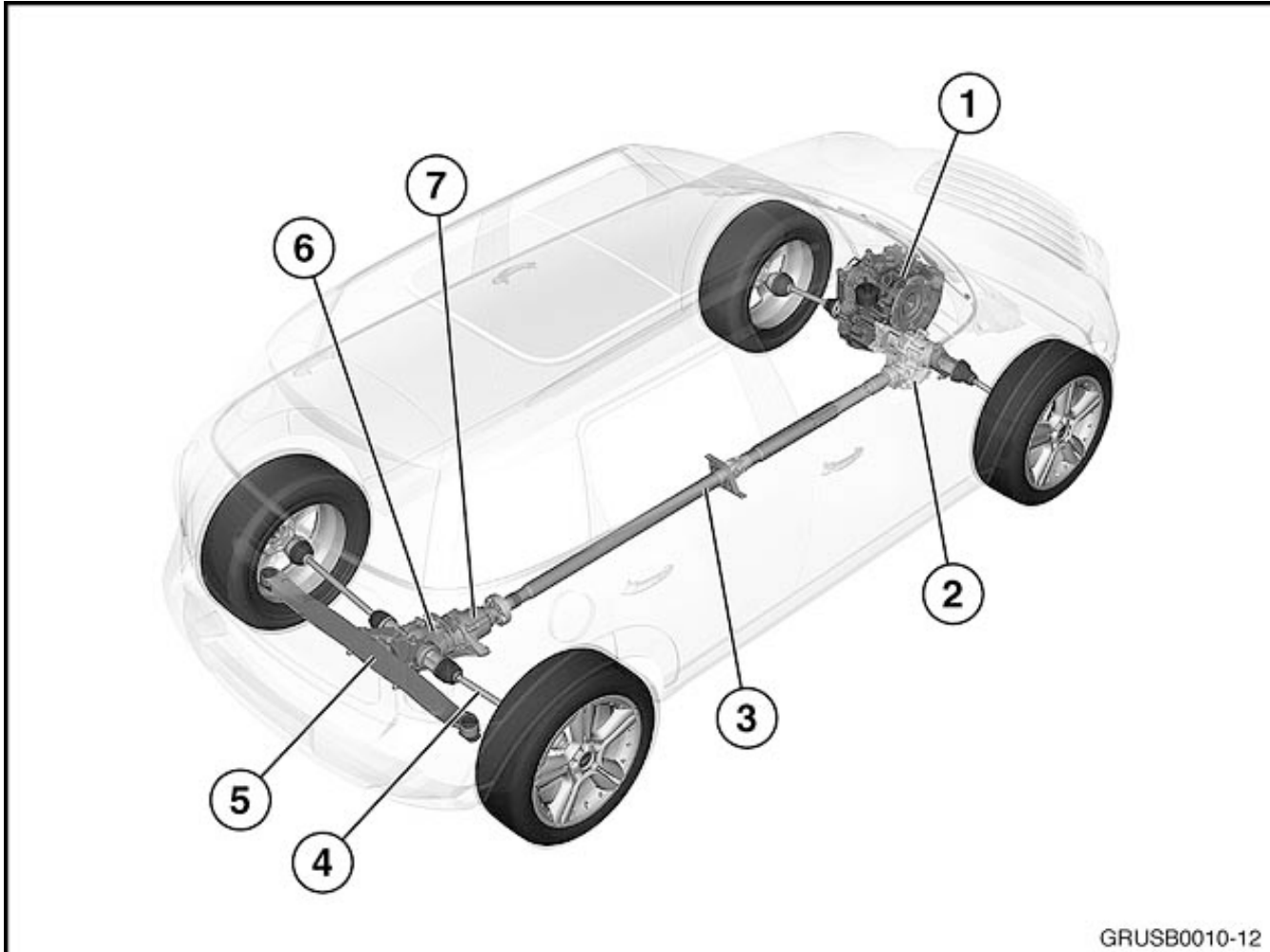
NEW ALL4 ALL-WHEEL DRIVE

The MINI Cooper S Countryman is the first MINI to offer a permanent all-wheel-drive system known as MINI ALL4. The system consists of:

- a direct-drive transfer case, mounted alongside the transmission's final drive
- a rear differential with an integrated electro-mechanical clutch, which varies power distribution from front to rear in an infinitely-variable process.

- longitudinal center driveshaft with vibration damper
- aluminum crossmember mount for the rear differential and rear output shafts

Under normal driving conditions, up to 100 percent of the engine's power goes to the front wheels; and under extreme conditions, up to 50 percent can be shifted rearward, maintaining the typical agile handling. The Countryman utilizes similar components as other MINIs, such as the MacPherson-strut front suspension with steel lower control arms, EPS (Electric Power Steering), and a multi-link rear axle.



- 1 Transmission
- 2 ALL4 Transfer case
- 3 Driveshaft
- 4 Rear output shafts
- 5 Rear axle and differential crossmember mount
- 6 Rear differential
- 7 ALL4 electro-mechanical multi-disc clutch

QUALITY CERTIFICATION I (QC I)

NEW A new QCI form, MD20-068, has been developed for the 2011 MINIs. The R60 has been added to the

form with print date 12/10. For most models, there are no changes compared to the 2010 QC1 form.

NEW The optional navigation (NAV) system will be available as of 12/10 vehicle production. On the optional NAV system, the NAV map is already included within the hard drive and no longer utilizes a DVD. When performing the QC1 procedure using 3G equipment, ISTA (Integrated Service Technical Application) will prompt the technician to activate the NAV map, which requires obtaining an enabling code. Refer to SI M65 03 10.

NEW All 2011 MINIs: Floormat anchors are already factory-installed in the driver's footwell, though the mats themselves are available as a MINI Motoring Accessory.

NEW R60 only: Display Vehicle Check - Install the holders (sunglass box, 2 cupholders, universal holder) included with the by-pack bag into the Center Rail.

SERVICE MAINTENANCE

Note the following changes compared to the 2010 model year:

Engine air intake filter - change at every 3rd Engine Oil Service.

Spark plug intervals for the two new engines remain the same as 2010:

Engine	Model	Interval/Miles	Notes
N16	MINI Cooper	60,000	Same spark plug as 2010 N12- BERU 12ZR6SP02
N18	MINI Cooper S	60,000	New spark plug- BERU 12ZR6-SPP2
N14	JCW	30,000	Same spark plug as 2010 JCW- NGK ILZKBR7A-8G

NEW Countryman maintenance is identical to the corresponding R56.

NEW Cooper S Countryman ALL4 transfer case and rear differential lubricant: Castrol SAF-XO, Longterm rating. No oil change is required except for repairs.

For the specific Maintenance Requirements of previous model years, please refer to the following Service Information:

SI	Model Year	Model
M00 02 07	2007	MINI Cooper Hardtop versions (R56)
M00 06 07	2008	R56 and Clubman versions (R55)
M00 03 08	2009	R55, R56 and MINI Convertible versions (R57)
M00 07 09	2010	R55, R56, R57

General Notes

Service and Warranty Information booklet:

PARTS INFORMATION

Under separate cover, one pack of the Quality Certification I form for the 2011 MINIs will be sent to each MINI dealer's Service Manager. Additional copies may be ordered as listed below:

Item	Description	Qty
MD 20-068	Quality Certification I form (2011 all MINIs)	1 pack
(NEW print date 12/10 contains the R60)		(= 25 forms)

These items are available online at MINI TIS under Materials Ordering. Refer to bulletin [SI M10.01.02](#) for instructions on how to place an order.

WARRANTY INFORMATION

Reimbursement of the MINI Pre-Delivery Inspection (Quality Certification I) on 2011 vehicles will be via submission of a warranty claim when the work is completed. For more information, refer to [M00.03.08](#).

MINI Company Cars

Reimbursement for performing the QCI on MINI company cars must still be requested by submitting a claim through DCS, using the Spot Delivery codes as listed below:

Defect Code:	11 99 99 77 BV
Labor Operation:	00 00 016
Flat Rate Units:	Refer to KSD2* (MINI Hardtop, Clubman and Convertible)

* Labor time allowances can be located in the KSD2 by entering the VIN, clicking on the **Search** button and then entering the listed flat rate in the **FR code** field.

Note: MINI Cooper company vehicles delivered to field personnel may have already received a full QCI at the Vehicle Distribution Center (VDC) which serves your region. This should be evident upon arrival at your dealer by the following:

- The absence of the usual protective seat and door panel covers, and the battery main-disconnect cable.
- The Monroney label not being affixed to the window, etc.

VDCs affix a small orange-colored label onto the center console near the transmission selector lever which reads "QC1 already done at VDC!" If this label is found, remove it prior to delivery to the employee.

Please verify that the QC1 has already been performed at a VDC on a specific vehicle by contacting your regional Distribution Manager with the chassis number.

IMPORTANT:

As with all work that is reimbursed by MINI, the repair order, time recording and record keeping requirements outlined in the Warranty Policy and Procedures Manual must be strictly observed.

Quality Certification I payments are subject to audit.

ATTACHMENTS

view PDF attachment [MD20-068 12-10](#).

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